



Society for Psychophysiological Research
SPR PROGRAM ADDENDUM • 54th Annual Meeting

Welcome to Atlanta!

Program Change

Thursday, September 11, 2014

3:00 p.m.-4:30 p.m.

Room A706

Symposium 3.3

Please make note of the additional presentation titles for Symposium 3.3.

2014 DIVERSITY ISSUES SYMPOSIUM: PHYSIOLOGICAL MECHANISMS LINKING MINORITY STATUS, STRESS, AND HEALTH

Chairs: Julian F. Thayer¹ & Michelle N. Shiota²

¹The Ohio State University, ²Arizona State University

PERINATAL CORRELATES OF STRESS IN AFRICAN AMERICAN AND CHINESE NEWBORNS

Eugene Emory

Emory University

EXPECTATIONS OF RACISM AND CAROTID INTIMA MEDIA THICKNESS IN AFRICAN-AMERICAN WOMEN

Tene Lewis

Emory University

SOCIAL VIGILANCE AS A BIOBEHAVIORAL PATHWAY IN STRESS-RELATED HEALTH DISPARITIES

John M. Ruiz

University of North Texas

RACE, STRESS, AND DIASTOLIC FUNCTION

Gaston Kapuka

Georgia Regents University

SPR Business Meeting and Luncheon

Saturday, September 13, 2014 from 12:15 p.m.-2:15 p.m.

You can still purchase a ticket to the Business Meeting Luncheon only until 8:00 p.m. on Wednesday, September 10. Student tickets are complimentary based on advance registration. If you are a student and have not yet obtained a ticket, but are interested in doing so, please ask at the SPR Registration Desk on Wednesday, September 10. Students who have already registered and paid for the luncheon will automatically receive a ticket and a refund.

WISE Luncheon

Please make note of the topic for the WISE luncheon:

Panel Discussion: Work-Life Balance in the Sciences

SPR Student Social

Friday, September 12, 2014 from 9:30 p.m.-12:30 a.m.

Park's Bar (150 Walton Street, Atlanta, 404-524-0444)

All students are welcome!

Internet Access

If you are staying at the Atlanta Marriott Marquis, you have complimentary wireless internet service in your guest room. We also have complimentary internet service available in the SPR meeting space. The access code is SPR2014.

Special Interest Luncheon

Thursday, September 11, 2014

Special Interest Luncheon for Faculty at Primarily Undergraduate Institutions

For more information, contact:

Jeff Sable at jsable@cbu.edu.

New Poster Presentation

Poster Session III, Poster #92

MUSEUM ERGONOMY AND EVOLUTION: 2D, 3D AND MULTIDIMENSIONAL PERCEPTION

Sara Invitto¹, Silvia Sammarco², Nadia Durante¹, Italo Spada³, Dario Turco⁴, and Genuario Belmonte¹

¹University of Salento, ²Istituto Santa Chiara, ³Cetma Consortium, and ⁴Agilex srl

The objective of our study was to evaluate the perceptual characteristics of museum objects with evolutionary contents and natural sounds in a university museum, and how these characteristics can be fully elicited within the immersive environment. The assignment was a Go/No-Go task, carried out using a visual and auditory cross modal process. The visual stimuli consisted of two types of 3D anaglyph images (Tarbosaurus and Plankton) and two types of 2D images (colored screens and objects present in the museum) which were presented with the sounds of the Tarbosaurus or aquatic sounds in the background or no sounds at all. The experimental group performed the task in the museum (13 volunteers, recruited in the university; avg. age 29.2; SD=4.2). The control group performed the

task in the laboratory (12 volunteers; avg. age 34; SD =6). The GLM considered the group, target condition and sound condition and showed a significant effect on N200 and P300 ERP amplitudes (Group $p < .05$; Target $p < .05$; Sound $p < .05$; Target*Sound $p > .05$). Post hoc analysis showed a significant effect of group on amplitude with larger amplitudes at the frontal and occipital sites in an immersive environment. The 3D images produced larger ERPs at frontal and frontoparietal sites with respect to the 2D images which produced larger ERPs at occipital sites. The 2D modality showed facilitation of ERP latency for both sound conditions. These results indicate that there is greater arousal when the environment is immersive and even more so when the stimulus is 3D and multi-dimensional.

Easy Perception Lab, Winner Project of Living Lab Puglia Region Council, Italy - May 2013

Change of Poster Session

Poster Session II, Poster #92

(originally Poster Session IV, Poster #34)

ADDITIONAL EVIDENCE FOR A DISTINCT PHYSIOLOGICAL RESPONSE OF MIXED EMOTIONAL STATES

Sylvia D. Kreibig, Andrea C. Samson, and James J. Gross
Stanford University

Poster Session II, Poster #93

(originally Poster Session IV, Poster #35)

PSYCHOPHYSIOLOGICAL QUANTIFICATION OF EMOTION REGULATION FLEXIBILITY: EXPERIENTIAL, EXPRESSIVE, AND PHYSIOLOGICAL EFFECTS OF REGULATING PURE AND MIXED EMOTIONS

Sylvia D. Kreibig, Andrea C. Samson, and James J. Gross
Stanford University

Posters Withdrawn

Poster Session I, Poster #2

EFFECTS OF AN AUDITORY-BASED TRAINING PROGRAM ON ATTENTION AMONG OLDER ADULTS

Jennifer L. O'Brien¹, Jennifer J. Lister², Susanne Sparkman², Kyle Clifton², & Victoria Williams²

¹University of South Florida St. Petersburg, ²University of South Florida Tampa

Poster Session I, Poster #89

INTERSPECIES FACIAL MIMICRY AND EMPATHY: HUMAN EMPATHY AND THE MIMICRY OF FACIAL EXPRESSIONS OF CHIMPANZEE

Alejandra Torres-Araneda & Carlos Cornejo
Pontifical Catholic University of Chile

Posters Withdrawn - continued

Poster Session II, Poster #44

NEURAL RESPONSE TO VISUAL DISTRACTERS DURING MEMORY MAINTENANCE

Colleen A. Brenner, Gabriel Brooks, & Samuel Rumak
University of British Columbia

Poster Session II, Poster #68

EFFECT OF A UNILATERAL MASSAGE ON FRONTAL EEG AND POSITIVE / NEGATIVE AFFECT IN A PILOT STUDY

Clemens H.W. Janssen¹, Kay-Uwe Hanusch², and John J.B. Allen¹

¹University of Arizona, ²University of Applied Sciences, Hochschule Fresenius

Poster Session III, Poster #75

ORIENTATION-DEPENDENT FIGURE-GROUND SEGREGATION IN HUMAN PRIMARY VISUAL CORTEX: AN EVENT-RELATED POTENTIAL STUDY

Jian Chen & Shimin Fu
Tsinghua University

Poster Session III, Poster #79

INHIBITION-INDUCED PLASTICITY AND ITS MODULATION IN TINNITUS PATIENTS

Alwina Stein, Alva Engell, Robert Wunderlich, Pia Lau, Andreas Wollbrink, Markus Junghöfer, and Christo Pantev
Institute for Biomagnetism and Biosignalanalysis

Speaker Change:

Riet Fonteyne is unable to present during Symposium 6-1: RECOVERY OF CONTEXTUAL DEPENDENT FEAR-POTENTIATED STARTLE RESPONDING: AN EXPERIMENTAL INVESTIGATION OF RELAPSE OF ANXIETY. Christopher Patrick will provide an extended discussion instead.